Observation Guide

1. Use the diagram below to complete your detailed observation.
2. In the middle rectangle, put down the name of the spice you are observing today.
3. Label the tops of the rectangles (in any order) with the following: **smell, sight, touch,** and **picture** (you will draw your spice here). You can also do a “rub” or streak of your spice.
4. Observe your spice and record your findings in the rectangles.
5. Remember to use strong adjectives to describe your findings.
6. When everyone in your group is finished working, share your findings with each other.
Here is a list of countries where these spices are grown:

1. Anise – Spain and Turkey
2. Cinnamon (cinnamomum) Stick - Vietnam and Indonesia
3. Cardamon (carum)- India and Guatemala.
4. Cloves - Madagascar, Indonesia and Sri Lanka
5. Caraway Seed – Holland, Canada and the United States
6. Allspice - Jamaica, Guatemala and Honduras

**Key: Scientific Names**

**Anise**
- The USDA lists 5 varieties of anise.
- Example: *Aniseia choisy* or *Pimpinella anisum*

**Cinnamon Stick**
- The USDA lists 12 varieties of cinnamomum.
- A correct answer should start with *Cinnamomum*. Example: *Cinnamomum schaefer*

**Cardamon**
- *Elettaria cardamomum*

**Cloves**
- Possible examples: *Eugenia caryophyllata* or *Syzygium aromaticum*

**Caraway Seed**
- *Carum carvi*

**Allspice**
- *Pimenta dioica*
Land of Spices World Guide

You will be researching your spice and the country it comes from. This guide will need to be filled out and checked by your teacher before you create your presentation.

1. What country does your spice come from (choose only one country)?
   __________________________________________

2. What is the climate like where your spice is grown?
   __________________________________________

3. How is your spice grown? What is the terrain? What are the agricultural practices?
   __________________________________________
   __________________________________________
   __________________________________________

4. What is the scientific name (genus and species) of your spice?
   __________________________________________

5. Is your country on an historical trade route? _____If so, describe where your route was located (between ____ and ____) and during what time period(s) was it used.
   __________________________________________

6. Give at least two ways that your spice is used?
   __________________________________________
   __________________________________________

List five things about the people and their culture in the country where your spice is grown.
a.__________________________________________
b.__________________________________________
c.__________________________________________
d.__________________________________________
e.__________________________________________

7. Tell any other interesting facts.
These sites should help get you started:
Information about countries:
US Map from Arizona Geographic Alliance
http://geoalliance.asu.edu/azga/sites/default/files/maps/World-at.pdf
Spice Information
Plant Information
http://plants.usda.gov/java/
Learn how your cells send messages to the brain on things like feel or taste:
http://askabiologist.asu.edu/epithelial-cells

NOTE: Entries 1-7 need to include a picture and written information (70 possible points).
Entries eight – eleven are worth 5 points each (20 possible points).

_____1 Title your Popplet with the name of your country and your spice.

_____2. Include the following: climate, terrain, and agricultural practices.

_____3. Describe how your spice grown.

_____4. Include the scientific name (genus and species) for your spice.

_____5. Include the historical trade route of your spice.

_____6. Include two ways your spice is used?

_____7. Include five facts about your country’s culture.

_____8. Include your source citations. (Where did you get your information? Include the link.)

_____9. Check for no spelling or grammar errors.

_____10. Make sure your Popplet is well organized and easy to understand

_____11. Make sure your presentation is organized and your voices can be heard

Total __________/90 points.